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TRANSPORTATION  
COMMISSION

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## *Memorandum*

TO: Operations Committee

DATE: July 3, 2014

FR: Executive Director

W.I. 1234

RE: Arterial Operations Program:

- (i) Program for Arterial System Synchronization (PASS) FY 2014-15 Cycle of Projects (\$1,250,000)
- (ii) Contract Amendments: Advantec Consulting Engineers (\$330,000); DKS Associates (\$345,000); Kimley-Horn and Associates, Inc. (\$135,000); TJKM Transportation Consultants (\$230,000)

This memorandum requests Committee approval of the PASS FY 2014-15 Cycle of Projects and amendments to contracts with Advantec Consulting Engineers (\$330,000), DKS Associates (\$345,000), Kimley-Horn and Associates, Inc. (\$135,000), and TJKM Transportation Consultants (\$230,000) to provide technical assistance for the PASS FY 2014-15 Cycle of Projects.

### **Background**

MTC's Freeway Performance Initiative is designed to maximize the efficiency and improve the operations and safety of the freeway and arterial networks through technology. The region's arterials carry heavy traffic and experience significant congestion during peak and non-peak periods. Over the past 15 years, MTC has been administering PASS (under various program names), which provides technical assistance to Bay Area agencies to re-time traffic signals to improve signal coordination across jurisdictions and provide signal timing priority for transit vehicles. Over the past four years, approximately 1,500 signals have been successfully re-timed.

### **i) PASS FY 2014-15 Cycle of Projects (\$1,250,000)**


On April 29, 2014, MTC issued PASS program guidelines and received applications for 11 projects, requesting technical assistance for 312 traffic signals within four Bay Area counties. Staff evaluated each application against the program evaluation criteria: 1) ability to meet PASS goals – improve travel time and travel time reliability, improve safety for transit riders, motorists, bicyclists, pedestrians, and provide signal priority for transit; 2) project readiness; and 3) project management capacity. For FY 2014-15, MTC has allocated \$1.3 million in federal funds for the PASS. Based on our evaluation of the applications, staff recommends approval of the 11 projects identified in Attachment A for the FY 2014-15 cycle.

**ii) Contract Amendments: Advantec Consulting Engineers (\$330,000); DKS Associates (\$345,000); Kimley-Horn and Associates, Inc. (\$135,000); TJKM Transportation Consultants (\$230,000)**

In May 2013, MTC released a Request for Qualifications (RFQ) to select consultants to provide specific technical services for PASS, and in July 2013, this Committee approved contracts with Advantec Consulting Engineers, DKS Associates, Kimley-Horn and Associates, Inc., and TJKM Transportation Consultants, with an option to extend the performance period for one year. Advantec Consulting Engineers and TJKM Transportation Consultants are certified DBE firms. Based on the satisfactory work conducted by the consultants to-date, staff recommends extending the consultant contracts and adding funds to deliver the PASS projects listed in Attachment A.

**Recommendation**

Staff recommends that this Committee approve the PASS FY 2014-15 Cycle of Projects listed in Attachment A. Staff also recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into contract amendments with Advantec Consulting Engineers (\$330,000), DKS Associates (\$345,000), Kimley-Horn and Associates, Inc. (\$135,000), and TJKM Transportation Consultants (\$230,000) in the specified amounts and extending each contract for one year to provide technical assistance for the PASS FY 2014-15 Cycle of Projects.



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Steve Heminger

SH:vt

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**Attachment A:**  
**Program for Arterial System Synchronization (PASS): FY 2014-15 Projects**

#	County	Project Sponsors (# of signals)	Project Corridors	# of Signals	Estimated Budget*
1	AL	Alameda County (9)	Castro Valley Blvd	9	\$24,300
2	AL	Fremont (4), Caltrans (4)	Auto Mall Pkwy	8	\$21,600
3	AL	Oakland (36), Caltrans (5)	14th St, Oak St, 98th Ave	41	\$229,000
4	AL	Union City (12), Hayward (5), Caltrans (2)	Whipple Rd, Dyer St	19	\$51,300
5	CC	Antioch (8), Caltrans (2)	Somersville Rd	10	\$25,000
6	CC	Concord (52)	Ygnacio Valley Rd, Downtown, Clayton Rd, Monument Blvd	52	\$155,400
7	CC	San Ramon (19), Caltrans (2)	E Crow Canyon Rd, W Crow Canyon Rd, Alcosta Blvd	21	\$92,100
8	CC	Walnut Creek (74), Contra Costa County (3), Caltrans (12)	Citywide	89	\$282,500
9	SM	San Bruno (8), SM County (1), Caltrans (6)	San Bruno Ave	15	\$42,300
10	SM	South SF (13), Caltrans (24)	E. Grand Ave, Airport Blvd, S. Airport Blvd, El Camino Real/Chestnut/ Westborough	37	\$151,800
11	SO	Suisun City (8), Caltrans (3)	Sunset Ave, Walters Ave, SR 12	11	\$34,700
<b>Total</b>				<b>312</b>	<b>\$1,110,000</b>
				Contingency	\$140,000
				<b>Total Budget</b>	<b>\$1,250,000</b>

\* Estimated budget for consultant fees for signal coordination and other services, communications equipment, GPS clocks, local agency agreements, etc.

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Program of Projects

Work Item No.: 1234

Project Title: Program for Arterial System Synchronization (PASS) FY 2014-15 Cycle of Projects

Cycle of Projects: (See Attachment A to the Executive Director's July 3, 2014 Memorandum)

Program Description: A program that improves arterial operations by providing technical assistance to Bay Area agencies to re-time traffic signals to improve signal coordination.

Funds for Projects: PASS FY 2014-15 = \$1,250,000 (Attachment A)

Funding Source: STP/CMAQ = \$1,250,000

Fiscal Impact: Funding is included in the FY 2014-15 MTC Budget.

Motion by Committee: That the projects listed in Attachment A to the Executive Director's July 3, 2014 Memorandum for the FY 2014-15 PASS Cycle of Projects are approved

Operations Committee:

Approved: \_\_\_\_\_  
Jake Mackenzie, Chair

Approved: Date: July 11, 2014

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract Amendments

Work Item No.: 1234

Consultants: 1) Advantec Consulting Engineers, Diamond Bar, CA  
2) DKS Associates, Oakland, CA  
3) Kimley-Horn and Associates, Inc., Pleasanton, CA  
4) TJKM Transportation Consultants, Pleasanton, CA

Project Title: PASS FY 2014-15 Technical Consultant Support

Purpose of Project: To provide traffic engineering assistance to Bay Area jurisdictions for re-timing and synchronizing their traffic signals for the PASS projects in Attachment A to the Executive Director's July 3, 2014 Memorandum.

Brief Scope of Work: Analyze existing conditions, including data collection and development of computer models; develop new signal timing plans; implement and fine-tune timing plans; and conduct performance evaluations.

Project Cost Not to Exceed: Advantec Consulting Engineers: \$330,000 (this amendment);  
\$240,000 (total contract before this amendment);  
\$570,000 (total authorized contract after this amendment).  
DKS Associates: \$345,000 (this amendment);  
\$225,000 (total contract before this amendment);  
\$570,000 (total authorized contract after this amendment).  
Kimley-Horn and Associates, Inc. \$135,000 (this amendment);  
\$480,000 (total contract before this amendment);  
\$615,000 (total authorized contract after this amendment).  
TJKM Transportation Consultants: \$230,000 (this amendment);  
\$460,000 (total contract before this amendment);  
\$690,000 (total authorized contract after this amendment).

Funding Source: STP/CMAQ = \$1,040,000

Fiscal Impact: Funding is included in the FY 2014-15 agency budget.

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into contract amendments with the listed firms extending each contract for one year for the purposes and in the amounts described above and in the Executive Director's July 3, 2014 Memorandum, and that the Chief Financial Officer is directed to set aside funds for such contract amendments in the amounts set forth above.

Operations Committee:

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Jake Mackenzie, Chair

Approved: Date: July 11, 2014